

CLAIMS

1. Mobile illuminating device of the type comprising a generally cylindrical housing (1) of axis (X-X), including:
 - 5 - illuminating elements (7) in the form of light-emitting diodes (LED) fixed on a support plate (6);
 - electrical/electronic control and/or connecting means (9) between said illuminating elements (7) and a power source (9), characterized in that said housing (1) is in one piece and in that said support plate (6) is inserted in a receptacle (20) of semi-cylindrical shape.
 - 10 2. Device according to Claim 1, characterized in that said receptacle (20) of said support plate (6) is of longitudinal axis (X-X).
 3. Device according to Claim 1 or 2, characterized in that said housing (1) is made of transparent material.
 - 15 4. Device according to Claim 1 to 3, characterized in that it comprises a sleeve (23) made of semi-rigid, or supple material, covering the surface of said housing (1).
 5. Device according to Claim 4, characterized in that said sleeve (23) covers the surface of said housing (1) partially.
 - 20 6. Device according to Claim 4 or 5, characterized in that said sleeve (23) is made of plastics material, and preferably of elastomer.

7. Device according to one of Claims 4 to 6, characterized in that said sleeve (23) is moulded on said housing (1).
8. Device according to one of the preceding Claims, characterized in that the surface of said housing (1) presents a window (4) located opposite said illuminating elements (7).
9. Device according to the preceding Claim, characterized in that said sleeve (23) presents a cut-out at the level of said window (4).
10. Device according to Claim 8 or 9, characterized in that said window (4) is parallelepipedic in shape and is located longitudinally parallel to the axis (X-X).
11. Device according to one of the preceding Claims, characterized in that the surface of said housing (1) presents an opening (5), located opposite a push button (13) disposed on said support plate (6).
12. Device according to Claim 11, characterized in that said opening is circular in shape (5) and is located on an axis parallel to (X-X) and passing through the middle of the two smallest sides of said window (4) of parallelepipedic shape.
13. Device according to one of the preceding Claims, characterized in that said housing (1) presents second (21) and third (22) receptacles, both identical and of generally cylindrical shape with axis parallel to the longitudinal axis (X-X) of said housing 1.

14. Device according to Claim 13, characterized in that said second (21) and third (22) receptacles allow the insertion of said energy source (9) in the form of batteries or accumulators.
15. Device according to one of the preceding Claims, characterized in that it comprises a perforated plate (24), presenting slots (25) each adapted to be traversed by a diode (7), located between said housing (1) and said support plate (6).
16. Device according to one of the preceding Claims, characterized in that it is capable of functioning either by accumulators or batteries (9) disposed in the housing, or by supply of a D.C. source or the mains via a supply line connecting the housing to said D.C. source or to the mains via a transformer.
17. Device according to the preceding Claim, characterized in that said housing (1) comprises means capable of removably holding one or the other of two terminal parts, one comprising means for electrically recharging the accumulators disposed in said housing, the other being adapted to guide and hold a supply line at the outlet of the housing.
18. Device according to one of the preceding Claims, characterized in that the housing (1) presents a planar terminal face (15), transverse with respect to the longitudinal axis (X-X), in order to allow the device to rest vertically and in a stable manner on a horizontal plane.

19. Device according to one of the preceding Claims, characterized in that said illuminating elements (7) emit in the visible or ultra-violet range.

20. Mobile illuminating device of the type comprising a housing (1) of generally cylindrical shape of axis (X-X) including:

5 - illuminating elements (7) in the form of light-emitting diodes (LED) fixed on a support plate (6);

- electrical/electronic means for controlling and/or connection (9) between said illuminating elements (7) and an energy source (9);

characterized in that said housing (1) is in one piece and in that said support 10 plate (6) presents a one-piece removable part (29), constituted by:

- said illuminating elements (7) in the form of light-emitting diodes;
- a transparent protection window (30), of generally semi-cylindrical shape, with longitudinal axis parallel to the longitudinal axis of the housing (1), located opposite said illuminating elements (7);

15 - means for removably fixing said removable part (29) on said housing (1), said removable fixing means being composed of first (31) and second (32) means for fixing said removable part (29) to the housing (1), said housing (1) presenting first (33) and second (34) means for connecting said housing (1) to said fixing means (31, 32).

21. Device according to Claim 20, characterized in that said housing (1) comprising a receiving receptacle (35) of shape complementary to said removable part (29).